CCR Number: 0016 CRITICALITY: ROUTINE DUE: 07/14/98

DISTRIBUTION SHEET EO-1 LEVEL II CCB

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George Andrew/EO-1 Sys Avionics Bill Hayden/GSFC MAMS IPDT

Bernard Carpenter/LMSC Kamal Thakore/EO-1 LFSA Eng.

NEW MILLENNIUM PROJECT CONFIGURATION CHANGE REQUEST

PROGRAM EO-1	TITLE	TITLE CHANGES TO EO-1 LFSA ICD-20								
CCR NO001	6 ORIGII	ORIGINATOR								
DATE INITIATED 07	7/14/98 ORIGII	ORIGINATOR'S CHG. NO.								
	SPON	SOR/CODE	J. l	Lyon	s/EO-1 L	FSA	PHONE		x3841	
EFFECTIVITY	CHANG	GE CLASS		TYP	E OF CHA	NGE				
ITEM: LFSA			l H	MILE	STONE		INTERFACE	×	SOFTWARE	
S/N	PRELI	MINARY AL		DOC	UMENT		POWER WEIGHT		OTHER	
ITEM:	DOCU	MENTS OR	SOFTWAR	L						
S/N	EO-1	ICD-020						,		
ITEM:										
S/N										
PROBLEM The attached Prelimi						_		_		
Solar Array (LFSA) Interface Control Document (ICD) provides for changes to the Interface document. This PIRN includes suggested changes that will be incorporated as an Interface revision and will be officially documented as such. The PIRN will become an official Interface change once the EO-1 project Configuration Control Board (CCB) chairman signs this CCR and the attached PIRN.										
PROPOSED SOLUTION Approve the attached PIRN 001 to EO-1 ICD-0020 by the EO-1 Level II Configuration Control Board (CCB). The signed off PIRN will serve as the official approval of changes to this ICD. Future changes will be initiated by submittal of Configuration Change Requests (CCRs) and Preliminary Interface Revision Notices (PIRNs) for CCB approval. This document is maintained by the EO-1 Configuration Management Office (CMO).										
BOARD ACTION	APPROVAL LEVEL	CRITIC	ALITY LEV	/EL	PROC	UREME	NT CHANGE OF	DER CL	ASSIFICATION	ı
	REQUIRED LEVEL I HQS	,	RGENCY		ROUTINE		URGENT		MERGENCY	
APPROVE WITH	LEVEL II GSFC	_			OPTION 1		OPTION 1	П		
CHANGE	LEVEL III C	_ •	-144	N N	OPTION 2		OPTION 2			
DISAPPROVE		KOU	HAE		OF HON 2		OF HON 2	أحيا		
WITHDRAW	-									
COMMENTS		/	VG	/						
	CHAIRPERSON						DATE _	28	30198	

GODDARD SPAC	E FLIGHT CENTER		1. PAGE 1	OF 2
		1	FAGE 1	OF Z
PRELIMINARY SPECIFICATION CHANGE NO	OTICE (PSCN) No		2.INIT. DATE: 7/14/98	
or			3. CONTRACT N	UMBER
PRELIMINARY INTERFACE REVISION NOT	CE (PIRN) No.	001		
4. ASSOCIATED	5. CI'S AFFECTED:		6. DOCUMENT N	UMBER:
CONTROL NUMBERS: EO-1CCR 0016	LFSA ICD-20		REVISION:	
7. DESCRIPTION OF CHANGE:			KBV15‡ON:	
1. Delete: Figure 1.2 Tri-Axial Acce	elerometer Box Diag	cam.		
2. Delete: The following from Section	on 1.2.2: EXPEWRIMENT	requiremen	ITS:	
" and during orbital operation data."	ns with LMA integrat	ed accelero	ometer and ACS	gyro output
3. Delete: entire Section 1.4.2 JITT	ER EVALUATION			
4. <u>Delete</u> : Reference to Acceleromete	er in Figure 2.1: Ir	nterface Box	:.	
5. Delete: No 5. Accelerometers in S	Section 2.1 ELECTRIC	CAL INTERFAC	E DEFINITIONS	
6. <u>Delete:</u> Spacecraft Slew, Accel #1 DIAGRAMS FOR DATA EVENTS.	., Accel #2, Accel #	3, 3,5 in	Section 2.2 T	IMING
7. Delete: the following section in	Section 2.2 TIMING	DIAGRAMS FO	R DATA EVENTS	<u>:</u>
VIBRATION DATA COLLECTION-The dynam signel axis accelerometers mounted sense the first and second panel mospacecraft to establish the relative accelerometer channels is collected slewing will be used to induce a diover the slewing will be determined to acquire acceleration data simult 8. Delete: The following from LFSA/E	on the flexible CIS des. A three axis re motion of the LFS simultaneously at sturbance into the by analysis and graneously with PV da	blanket. acceleromet BA. Data fr the rate of LFSA. The cound testin	These are mounter will be mounted to meach of the state of the period of datage. It is not	unted to unted on the e five secraft a collection necessary
Pin # Gauge	I/O	Name		
1 20		•	Accel 2 Power	r
2 24			Accel 2 Shiel	ld
3 24		Accel 1 Out		
4 24 15 24		Accel 1 and Accel 2 Out	Accel 2 Retur	cn
2.	v	neodr z ouc	puo	
PREPARED BY:	ORIGINATING:		ORGANIZATIO	N: DATE:
S.Schneider/EO-1 CM		The state of the s		
HST CCB ACTION	SIGNATURE:		DATE:	92
APPROVED: DISAPPROVED:	16			1 / 5
	J			

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GSFC PRELIMINARY INTERFACE REVISION NOTICE CONTINUATION SHEET

Page <u>2</u> of <u>2</u>

PIRN<u>001</u> EO-1 CCR <u>0016</u> DATE <u>7/14/98</u> EO-1 LFSA ICD-020

9.<u>Delete:</u> The following from LFSA/EO-1 Spacecraft Interface Connector Pin Assignments:

Pin#	Gauge	I/O	Name	Voltage
7	24	O	Accel 1	+/- 10VDC
8	24	O	Accel 1	+/- 10VDC
9	24	O	Accel 1 Return	RTN
10	24	O	Accel 2 Return	RTN

10. <u>Delete:</u> LFSA Tri-Axial Accelerometer Connector Pin Assignment

Pin #	Guage	I/O	Name
1	20	I	Accel 1, 2 and 3 Power
2	24	Shield	Accel 1, 2, and 3 Shield
3	24	I	Accel 1, 2, and 3 Power Return
4	24	O	Accel 1 Signal Output
5	24	O	Accel 1 Signal Return
6	24	O	Accel 2 Signal Output
7	24	O	Accel 2 Signal Return
8	24	O	Accel 3 Signal Output
9	24	O	Accel 3 Signal Return
10	Spare	Spare	Spare
11	Spare	Spare	Spare
12	Spare	Spare	Spare
13	Spare	Spare	Spare
14	Spare	Spare	Spare
15	Spare	Spare	Spare

11 <u>Delete</u> the following from <u>Deliverables</u> in Section 3.0:

Accelerometers LM Swales 1 May 98

Date: Wed, 22 Jul 1998 16:14:49 -0400 (Eastern Daylight Time)

From: Administrator@hst-nic.hst.nasa.gov

Reply-to: (Mark Perry)

Subject: CCR:0016 - DUE: 06/22/98 ROUTINE

Level-2

Mark Perr WWW-COMMENTS

USER: (Mark Perry) sent the following comments on:

Date: 22 July 1998 CCR Number: 0016

Sponsor: J. Lyons/EO-1 LFSA

Due Date: 06/22/98

CCR Title: CHANGES TO EO-1 LFSA ICD-20

Remote host: 209.49.96.12 Email Address:

APPROVAL STATUS: APPROVED

Note:

COMMENTS:

Date: Thu, 17 Sep 1998 13:02:51 -0400 (Eastern Daylight Time)

 ${\tt From:} \ {\tt Administrator@hst-nic.hst.nasa.gov}$

Reply-to: (Nicholas Speciale)

Subject: CCR:0016 - DUE: 06/22/98 ROUTINE Level-2 Nicholas Special WWW-COMMENTS

USER: (Nicholas Speciale) sent the following comments on:

Date: 9/18/98 CCR Number: 0016

Sponsor: J. Lyons/EO-1 LFSA

Due Date: 06/22/98

CCR Title: CHANGES TO EO-1 LFSA ICD-20

Remote host: 128.183.212.178 Email Address: speciale@pop500.gsfc.nasa.gov

APPROVAL STATUS: APPROVED

Note:

COMMENTS: